

Processes for haloalkylation of high performance polymers

Patent Number: ☐ [EP0826700, A3](#)
Publication date: 1998-03-04
Inventor(s): LUCA DAVID J (US); NARANG RAM S (US); SMITH THOMAS W (US); CRANDALL RAYMOND K (US); FULLER TIMOTHY J (US)
Applicant(s): XEROX CORP (US)
Requested Patent: ☐ [JP10087817](#)
Application Number: EP19970306206 19970820
Priority Number(s): US19960705463 19960829
IPC Classification: C08F8/24
EC Classification: [C08G65/40](#), [G03F7/038](#), [C08F8/24](#)
Equivalents: ☐ [US5739254](#)

Abstract

Disclosed is a process which comprises reacting a polymer of the general formula or wherein x is an integer of 0 or 1, A and B are specified groups, and n is an integer representing the number of repeating monomer units, with an acetyl halide and dimethoxymethane in the presence of a halogen-containing Lewis acid catalyst and methanol, thereby forming a haloalkylated polymer. In a specific embodiment, the haloalkylated polymer is then reacted further to replace at least some of the haloalkyl groups with photosensitivity-imparting groups. Also disclosed is a process for preparing a thermal ink jet printhead with the aforementioned polymer.

Data supplied from the [esp@cenet](#) database - 12